L. Helms

OIPE

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/618,380*

DATE: 11/09/2001
TIME: 21:36:50

INPUT SET: S36661.raw

> **This Raw Listing contains the General**
> **Information Section and up to the first 5 pages.**

#7

#6 1/2

ENTERED

```
 1                              SEQUENCE LISTING
 2
 3    (1)     General Information:
 4
 5        (i) APPLICANT: Weiner, George
 6                       Gingrich, Roger
 7                       Link, Brian
 8                       Tso, J. Yun
 9
10·     (ii) TITLE OF INVENTION: Bispecific Antibody Effective to Treat
11               B-Cell Lymphoma and Cell Line
12
13   (iii) NUMBER OF SEQUENCES: 14
14
15     (iv) CORRESPONDENCE ADDRESS:
16           (A) ADDRESSEE: Townsend and Townsend and Crew
17           (B) STREET: One Market Plaza, Steuart Tower, Suite 2000
18           (C) CITY: San Francisco
19           (D) STATE: California
20           (E) COUNTRY: USA
21           (F) ZIP: 94105
22
23      (v) COMPUTER READABLE FORM:
24           (A) MEDIUM TYPE: Floppy disk
25           (B) COMPUTER: IBM PC compatible
26           (C) OPERATING SYSTEM: PC-DOS/MS-DOS
27           (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
28
29     (vi) CURRENT APPLICATION DATA:
30           (A) APPLICATION NUMBER: US 08/397,411
31           (B) FILING DATE: 01-MAR-1995
32           (C) CLASSIFICATION:
33
34    (vii) PRIOR APPLICATION DATA:
35           (A) APPLICATION NUMBER: US 07/859,583
36           (B) FILING DATE: 27-MAR-1992
37
38   (viii) ATTORNEY/AGENT INFORMATION:
39           (A) NAME: Smith, William M.
40           (B) REGISTRATION NUMBER: 30,223
41           (C) REFERENCE/DOCKET NUMBER: 011823-004901
42
43     (ix) TELECOMMUNICATION INFORMATION:
44           (A) TELEPHONE: 415-326-2400
45           (B) TELEFAX: 415-326-2422
46
```

RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/618,380*

INPUT SET: S36661.raw

```
47
48    (2) INFORMATION FOR SEQ ID NO:1:
49
50        (i) SEQUENCE CHARACTERISTICS:
51            (A) LENGTH: 107 amino acids
52            (B) TYPE: amino acid
53            (C) STRANDEDNESS: single
54            (D) TOPOLOGY: linear
55
56       (ii) MOLECULE TYPE: peptide
57
58
59
60       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
61
62       Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
63       1               5               10                  15
64
65       Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Asn Ile Tyr Ser Tyr
66                   20              25                  30
67
68       Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Val
69                   35              40                  45
70
71       Ser Asn Ala Lys Thr Leu Ala Glu Gly Val Pro Ser Arg Phe Ser Gly
72           50                  55                  60
73
74       Ser Gly Ser Gly Lys Gln Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
75       65                  70                  75                  80
76
77       Glu Asp Phe Ala Thr Tyr Tyr Cys Gln His His Tyr Gly Asn Ser Tyr
78                   85                  90                  95
79
80       Pro Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
81                   100                 105
82
83    (2) INFORMATION FOR SEQ ID NO:2:
84
85        (i) SEQUENCE CHARACTERISTICS:
86            (A) LENGTH: 107 amino acids
87            (B) TYPE: amino acid
88            (C) STRANDEDNESS: single
89            (D) TOPOLOGY: linear
90
91       (ii) MOLECULE TYPE: peptide
92
93
94
95       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
96
97       Asp Ile Gln Met Thr Gln Ser Pro Ala Ser Leu Ser Ala Ser Val Gly
98       1               5               10                  15
99
```

INPUT SET: S36661.raw

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100          Glu Thr Val Thr Ile Thr Cys Arg Ala Ser Glu Asn Ile Tyr Ser Tyr
101                  20              25              30
102
103          Leu Ala Trp Tyr Gln Gln Lys Gln Gly Lys Ser Pro Gln Leu Leu Val
104                  35              40              45
105
106          Ser Asn Ala Lys Thr Leu Ala Glu Gly Val Thr Ser Arg Phe Ser Gly
107              50              55              60
108
109          Ser Gly Ser Gly Lys Gln Phe Ser Leu Lys Ile Asn Ser Leu Gln Pro
110          65              70              75              80
111
112          Glu Asp Phe Ala Thr Tyr Tyr Cys Gln His His Tyr Gly Asn Ser Tyr
113                  85              90              95
114
115          Pro Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
116                  100             105
117
118  (2) INFORMATION FOR SEQ ID NO:3:
119
120      (i) SEQUENCE CHARACTERISTICS:
121          (A) LENGTH: 116 amino acids
122          (B) TYPE: amino acid
123          (C) STRANDEDNESS: single
124          (D) TOPOLOGY: linear
125
126     (ii) MOLECULE TYPE: peptide
127
128
129
130     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
131
132          Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
133          1               5               10              15
134
135          Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Phe Ser Leu Thr Asn Tyr
136                  20              25              30
137
138          Gly Val His Trp Val Arg Gln Ser Pro Gly Lys Gly Leu Glu Trp Ile
139                  35              40              45
140
141          Gly Val Lys Trp Ser Gly Gly Ser Thr Glu Tyr Asn Ala Ala Phe Ile
142              50              55              60
143
144          Ser Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Asn Gln Val Ser Leu
145          65              70              75              80
146
147          Lys Leu Asn Ser Leu Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala
148                  85              90              95
149
150          Arg Asn Asp Arg Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Leu Val
151                  100             105             110
152
```

```
153          Thr Val Ser Ser
154                     115
155
156     (2)  INFORMATION FOR SEQ ID NO:4:
157
158          (i)  SEQUENCE CHARACTERISTICS:
159               (A)  LENGTH: 116 amino acids
160               (B)  TYPE: amino acid
161               (C)  STRANDEDNESS: single
162               (D)  TOPOLOGY: linear
163
164          (ii) MOLECULE TYPE: peptide
165
166
167
168          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
169
170          Gln Val Gln Leu Lys Gln Ser Gly Pro Gly Leu Val Gln Pro Ser Gln
171          1               5                   10                  15
172
173          Ser Leu Ser Ile Thr Cys Thr Gly Ser Gly Phe Ser Leu Thr Asn Tyr
174                       20                  25                  30
175
176          Gly Val His Trp Val Arg Gln Ser Pro Gly Lys Gly Leu Glu Trp Ile
177                   35                  40                  45
178
179          Gly Val Lys Trp Ser Gly Gly Ser Thr Glu Tyr Asn Ala Ala Phe Ile
180              50                  55                  60
181
182          Ser Arg Leu Ser Ile Ser Lys Asp Asn Ser Lys Ser Gln Val Phe Phe
183          65                  70                  75                  80
184
185          Lys Met Asn Ser Leu Gln Ala Asp Asp Thr Ala Met Tyr Tyr Cys Ala
186                       85                  90                  95
187
188          Arg Asn Asp Arg Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser Val
189                   100                 105                 110
190
191          Thr Val Ser Ser
192                     115
193
194     (2)  INFORMATION FOR SEQ ID NO:5:
195
196          (i)  SEQUENCE CHARACTERISTICS:
197               (A)  LENGTH: 214 amino acids
198               (B)  TYPE: amino acid
199               (C)  STRANDEDNESS: single
200               (D)  TOPOLOGY: linear
201
202          (ii) MOLECULE TYPE: peptide
203
204
205
```

```
206        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
207
208        Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
209        , 1               5                   10                  15
210
211        Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Glu Asn Ile Tyr Ser Tyr
212                    20                  25                  30
213
214        Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Val
215                    35                  40                  45
216
217        Ser Asn Ala Lys Thr Leu Ala Glu Gly Val Pro Ser Arg Phe Ser Gly
218            50                  55                  60
219
220        Ser Gly Ser Gly Lys Gln Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
221        65                  70                  75                  80
222
223        Glu Asp Phe Ala Thr Tyr Tyr Cys Gln His His Tyr Gly Asn Ser Tyr
224                    85                  90                  95
225
226        Pro Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg Thr Val Ala Ala
227                    100                 105                 110
228
229        Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser Gly
230                    115                 120                 125
231
232        Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu Ala
233                    130                 135                 140
234
235        Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser Gln
236        145                 150                 155                 160
237
238        Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu Ser
239                    165                 170                 175
240
241        Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu Lys His Lys Val Tyr
242                    180                 185                 190
243
244        Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser Pro Val Thr Lys Ser
245                    195                 200                 205
246
247        Phe Asn Arg Gly Glu Cys
248            210
249   (2) INFORMATION FOR SEQ ID NO:6:
250
251        (i) SEQUENCE CHARACTERISTICS:
252            (A) LENGTH: 273 amino acids
253            (B) TYPE: amino acid
254            (C) STRANDEDNESS: single
255            (D) TOPOLOGY: linear
256
257        (ii) MOLECULE TYPE: peptide
258
```

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION *US/09/618,380*

INPUT SET: S36661.raw

Line	Error	Original Text
30	Wrong application Serial Number	(A) APPLICATION NUMBER: US 08/397,411

SEQUENCE MISSING ITEM REPORT
PATENT APPLICATION   *US/09/618,380*

INPUT SET: S36661.raw

< < THERE ARE NO ITEMS MISSING > >

SEQUENCE CORRECTION REPORT
PATENT APPLICATION *US/09/618,380*

INPUT SET: S36661.raw

Line	Original Text	Corrected Text

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION   *US/09/618,380*

INPUT SET: S36661.raw

Line	Error	Original Text
30	Wrong application Serial Number	(A) APPLICATION NUMBER: US 08/397,411

SEQUENCE MISSING ITEM REPORT
PATENT APPLICATION   *US/09/618,380*

INPUT SET: S36661.raw

< < THERE ARE NO ITEMS MISSING > >

SEQUENCE CORRECTION REPORT
PATENT APPLICATION   *US/09/618,380*

INPUT SET: S36661.raw

Line	Original Text	Corrected Text